



Forest Resources and Technologies (FOREST) Project

Cooperative Agreement Number 118-A-00-00-00119-00

Quarterly Report

July 1, 2002 – September 30, 2002

Submitted to

**United States Agency for International Development
Moscow, Russia**

Submitted by

**Winrock International
Chemonics International Inc.
The Heron Group, LLC**

This report was made possible through support provided by the Office of Business Development and Investment, Bureau for Europe and Eurasia, U.S. Agency for International Development, under the terms and conditions of Award No. 118-A-00-00-00119-00. The opinions expressed herein are those of the author(s) and do not necessarily reflect the views of the U.S. Agency for International Development.

Table of Contents

I.	Introduction.....	1
II.	Overall Project	2
III.	Four Technical Components	3
	A. Fire Prevention.....	3
	B. Pest Management.....	9
	C. Non-Timber Forest Products and Secondary Wood Processing.....	12
	D. Renewable Energy Alternatives/Biomass.....	16
IV.	Cross Cutting Components	19
	A. Forest Policy and Legal Reform	19
	B. Applied Forestry Research.....	19
	C. Grants/Loan Program.....	19
	Volunteer Program.....	20

Appendices

Appendix A: FOREST Project Meetings and Contacts

Appendix B: Project Personnel Level of Effort for the Quarter and Life of Project

Appendix C: Trip Reports

I. Introduction

Winrock International, in partnership with Chemonics and the Heron Group, was awarded the Forest Resources and Technology (FOREST) Project on July 21, 2000. This five-year project is based in Khabarovsk, Russia, and will be implemented July 2000-July 2005 in the Russia Far East and Siberia. The major goals are to reduce the threat of global climate change and preserve biodiversity by promoting sustainable forest management and preserving Russian forests as a globally important carbon sink and critical habitat for rare and endangered species.

The FOREST Project is achieving these goals by focusing on four technical components: forest fire prevention, pest monitoring, non-timber forest products and secondary wood processing, and renewable energy/biomass alternatives. In addition to the four primary components, three crosscutting components (forest policy and legal reform, applied forestry research, and grants) support the technical components.

This report covers activities from the first quarter of Year 3 of the FOREST Project - July 1, 2002 to September 31, 2002.

A. Quarter Highlights

- Kent Hill, USAID Assistant Administrator for the Europe and Eurasia, visited FOREST Project partner sites in Khabarovsk September 23rd and 24th. Dr. Hill was accompanied by Carol Peasley, Director of USAID/Russia and several other USAID representatives. The delegation was briefed on all aspects of FOREST's work, and attended site visits to NTFP/SWP Association business partners, forest fire prevention partners, and grant recipients.
- Tens of thousands of citizens were informed about the need to prevent forest fires during the peak fire season. FOREST helped partner NGOs promote critical public awareness during the fire season by assisting NGOs to conduct community events, establishment of public information stands, and advertise on television, radio, and in newspapers.
- World Bank proposes to put \$100,000 towards publishing additional copies of the fire prevention curriculum for school age children developed by FOREST. The Bank has proposed to set aside these funds to develop a school textbook on forest fire prevention. Since FOREST developed the textbook, the Bank has suggested they will focus on distributing the FOREST program to a wider audience.
- The Russian Forest Protection Center in Moscow is adopting FOREST's pest monitoring technique by incorporating the FOREST Project database into the existing state database of pest monitoring. The Project data are much more detailed and accurate than existing information and will serve as an example of data organization for other regions.
- The Primorski Krai Forestry Industry Workers and Wood Products Exporters' Association, representing 20 wood processing companies who hold leases on 90% of the forestland in Primorski Krai, signed an MOU establishing its partnership with FOREST. The Association, aims to promote the efficient development of the forest industry in Primorski Krai through updated technology, investment and export development. It provides annual meetings, lobbying, legal services, and export market information to its members, and is especially

active in combating illegal logging. One of its member companies is woman-owned and managed.

- Igor Artukhovsky, director of *Vakhrushevsky DOZ* based in Sakhalinskaya Oblast, opened a branch office in Severobaikalsk (Irkutskaya oblast) to pursue the harvesting, processing and export of scotch pine per the recommendations of FOREST Project consultant Gerry Van Leeuwen. Mr. Artukhovsky also received technical assistance from two FOREST volunteers in conducting a feasibility assessment of the new site and preparing a business plan to invest in kiln and other equipment. With additional training and preparation, Artyukhovsky will ship a sample of his product later this year to a potential U.S. buyer (contact provided by FOREST) to gauge their interest in a trial container.
- Igirma-Tariku (Irkutskaya Oblast) is purchasing new boilers with capacity of 10 tons per hour (tph) of steam produced, operating on wood wastes. The company plans to purchase two 40-50 tph boilers fueled by wood-waste from Biysk Boiler Plant. FOREST biomass experts advised Igirma-Tariku on which boilers would be most efficient and, with FOREST assistance, the company is considering construction of a 4-5 megawatt plant based on the boilers installation.

II. Overall Project

A. Activities, Results, and Findings

- FOREST Representatives met with the Ministry of Natural Resources twice. In July, Project Deputy Manager Evgeny Kuzmichev learned about expected changes within the Ministry and briefed the new members of the Ministry of FOREST, the activities and results. In September, Dr. Kuzmichev with USAID program staff Carol Pierstorff and Lyudmila Vikhrova met with Ministry of Natural Resources Deputy Minister Rashupkin in early September. The deputy minister was briefed on FOREST's current activities as well as on USAID's previous work Russia. Mr. Rashupkin indicated his interest in the project, and assured project staff that representatives from the Federal Ministry of Natural Resources will attend the upcoming Advisory Council meeting to be held in St. Petersburg in December of this year.
- Deputy Project Manager met with the representatives of the Ministry of Education, who are very interested in the Fire Prevention Education for school-age children. They were provided requested copies of the curriculum and related materials to review.
- Nina Danilyuk and Yuzhno-Sakhalinsk Director Vitalina Khristoradova attended the US-RFE Partnerships Meeting in Yuzhno-Sakhalinsk in July. FOREST will continue to work on creating US-RFE partnerships with FOREST partnering organizations and American organizations.
- USAID IWID Fellow conducted a gender training at the FOREST office July 26th. Eight FOREST Project staff attended (representation from each component) and identified concrete ways to include gender analysis in project design and implementation.
- Winrock's Forestry and Natural Resource Management Director, Dr. Kadi Warner and FOREST Project Coordinator, Erin Hughes presented the FOREST Project to USAID staff in Washington in July. Members of the Forestry Team and E&E Bureau were invited. Attendees included (but not limited to) Alicia Grimes, Carl Mitchell, CJ Rushin-Bell, Jim Hester, Mohammad Latif, Liz Mayhew (USFS) and Dave Gibson (Chemonics).

- World Bank Project representatives proposed that a representative from the FOREST Project sit on the World Bank Pilot Project's Observation Committee in much the same way the World Bank holds a seat on FOREST's Advisory Council. Representatives of the two project explored ways to collaborate.
- Winrock President Frank Tugwell and Erin Hughes attended the 7th Annual West Coast Russian Far East Ad Hoc Working Group Meeting held in Anchorage, Alaska, September 17th to the 19th. Key contacts were made with US State Department, Department of Commerce, Foundation for Russian American Economic Cooperation, and University of Alaska, Open World and private individuals to ensure greater communication of our activities and to explore opportunities to collaborate in the Russian Far East.
- Kent Hill, USAID Assistant Administrator for the NIS, visited FOREST Project partner sites in Khabarovsk September 23rd and 24th. Dr. Hill was accompanied by Carol Peasley, Director of USAID-Russia and several other USAID representatives. The delegation was briefed on all aspects of FOREST's work, and attended site visits to NTFP/SWP Association business partners, forest fire prevention partners, and grant recipients.

B. Key Issues, Problems and Findings Based on Work to Date and Changes from Workplan - None

C. Project Management

Logistics/Staffing

- Winrock International learned the building of the current office in Khabarovsk was sold to the Bank of Moscow. The new landlord expects to need most or all of the space in the building, and FOREST staff are currently looking for new space. A move is currently anticipated to take place near the end of 2002.
- Several staff left FOREST including Alexander Zabelin, Sergey Golyshov, and Arina Sverdlova to pursue other activities.
- For the quarter July - September 2002, the level of effort breaks at **Russian 88%, Expatriate 12%**. For the life of project, the break down is Russian 82% and US 18%.

Advisory Council

- The FOREST Project's upcoming Advisory Council meeting to be held in St. Petersburg and previously scheduled for December 9th and 10th is being rescheduled. New dates are December 17th and 18th.

III. Four Technical Components

A. Component 1 – Fire Prevention

1. Highlighted Activities, Results, and Findings

General Awareness Campaign

The Fire Prevention Component of FOREST worked with partner NGOs reach tens of thousands of citizens promote public awareness during critical fire season in three regions. NGOs

conducted community events, established public information stands, and delivered fire prevention messages through television, radio, and newspapers. Fire Prevention Component partners include “Pilgrim” NGO in Sakhalinskaya Oblast, “Alliance” NGO in Khabarovski Krai, and “Defacto” NGO in Krasnoyarski Krai. Specific examples include:

- *Fire prevention video and audio public service announcements were broadcast by five TV and five radio stations in Krasnoyarski Krai.* In July alone, video messages were aired 255 times, and radio messages were broadcast 266 times. The Ministry of Natural Resources of Krasnoyarski Krai is also now mailing daily fire danger levels and numbers of fires to the mass media. In Yuzhno-Sakhalinsk, FOREST staff have begun to share information on fire danger levels, number of fires per week, interesting cases from forest fires, information about new and current contests, and current forest fire activities to partners, administration officials, and mass media.
- *Seven billboards were erected.* The Krasnoyarsk Kargino Leskhoz erected a billboard foundation and metal frame for displaying FOREST Project banners with its own funds. The billboard was erected on the main road north of Krasnoyarsk close to Yeniseysk. In addition, the Ministry of Natural Resources organized the display of the two other billboard banners at a stand near the Krasnoyarsk airport at no cost to the project. In Sakhalinskaya Oblast, two new billboards are now in place, and two more have been erected in Khabarovski Krai.
- *Forest Fire Prevention Month was founded and was tremendous success.* Forest Fire Prevention Month was declared in Amursk, Khabarovski Krai, during August. The Ministry of Natural Resources, junior forest rangers, leskhoz foresters, and schools worked together to inform citizens on the dangers of campfires and cigarettes and ways to prevent forest fires. The city representatives decreed that an anti-forest fire month will take place each year and officially requested replenishment of FOREST’s general awareness materials.
- *Forest attracted journalists and artists to produce innovative fire prevention messages.* In an effort to raise the media’s awareness of and need to report on fire prevention, FOREST held contests in Khabarovski Krai, Krasnoyarski Krai, and Sakhalinskaya Oblast to engage journalists and artists in actively developing and disseminating fire prevention messages. Winners of the first and second round journalist contests (related to causes of fires and cigarettes) been announced, and the third contest for the best video/audio/print materials on forest fire prevention is underway.
- *The Russian National Environmental Protection Society in Khabarovsk targeted NTFP harvesters.* The campaign included 42 public events, two videos aired a total of 27 times and reaching an estimated 1,670,000 people, eight articles, and several informational stands. This campaign was developed by FOREST volunteer Jane Hartline, and was noted by the Khabarovski Krai Ministry of Natural Resources as an interactive, progressive campaign that was successful due to the cooperation and collaboration from many different administrations (railroad, bus, city, raion, schools, leskhoz, etc.). The Ministry has expressed the hope that a similar campaign will be repeated in the future.

Education Campaign for School Children

The campaign to educate continues to be successful. The Ministry of Natural Resources drafted a letter to the Minister of Education requesting that this fire prevention teaching manual be included in the nationwide school curriculum. With this endorsement of the FOREST Project’s

program, it is hoped that developing public awareness of forest fire prevention will soon become a mandatory part of elementary curriculum nationwide. In addition:

- Two hundred sixty-four educators of school-aged children (including junior forester ranger leaders, school teachers, extra-curricular professionals, and librarians) were trained in FOREST's unique, interactive approach to teaching fire safety. Training programs this quarter focused on Krasnoyarski Krai and Sakhalinskaya Oblast.
- The FOREST Project received a letter from Andrei Kushlin of the World Bank noting that the Bank's earlier plans to develop a school textbook on forest fire prevention is no longer necessary, as FOREST has already done so, and indicating that the \$100,000 originally budgeted for this purpose may instead be used to fund the additional publication of the manual developed by FOREST.

Education Campaign for Foresters

- *The Foresters Communication Manual was incorporated into the curriculum at Viazemski Forestry College.* Forestry students trained at the Viazemski Forestry College will learn communications and public outreach skills as detailed in the FOREST developed Foresters Communications Manual. The intention is to provide foresters with skills so they will feel more comfortable interacting with the public in positive ways, resolving conflict, and sharing fire prevention knowledge. As part of their field practice, students of the College dressed in tiger and bear costumes and distributed 1,000 FOREST Project fire prevention stickers and tip sheets at the river station area in Khabarovsk. Planning is underway for foresters training in Sakhalinsk and Krasnoyarsk based on this program, and the third round of foresters training in Khabarovsk is planned for the end of October.
- *Recreation zones open to public.* Boomerang, the Sakhalin recreation zone grant recipient, officially opened, accompanied by press coverage. The rest area is located near the village of Vestohka along the highway from Yuzhno-Sakhalinsk. The news coverage reached approximately 100,000 people and informed them of the location and explained that it provided a great venue for relaxation and fun in a fire safe, friendly, warm environment. Currently the recreation area consists of one campsite with fire ring, a covered picnic table, latrine, and posted fire prevention educational materials.
- The Big Khektsyr State Nature Reserve hosted 150 students at the FOREST Project-sponsored MantDV Recreational Site on Saturday, September 21, to allow students to become more acquainted with nature, learn fire prevention statistics from FOREST Project informational fact/tip sheets which are posted on stands, and a local forester provided demonstrations on how to build and extinguish campfires properly. Over 1500 rubles was collected from this event. Proposals are being sought from Irkutskaya Oblast and Primorski Krai for the third round of the grants program for recreation area development.

The FOREST Project's impact is demonstrated by two requests received during the last quarter.

- In a remote village in Khabarovski Krai, a village official heard from the Urgalski Leskhoz about FOREST activities. FOREST's Khabarovsk office was contacted and was urgently requested to provide materials to be used in their school, as well as help from the project in creating public awareness information stands and planning general awareness

activities. The materials and services will reach approximately 2000 people in an area with a high incidence of forest fires.

- Nadezhda Michenko, Director of Sakhalin State TV-Radio Company “Sakhalin”, regularly uses FOREST generated materials and information in her broadcasts. The direct mail test system was established three months ago in Sakhalin to inform local media, administration, and NGOs by individual personalized letters of the current fire danger levels, safe fire prevention behaviors, the status of project activities, upcoming training programs, as well as stories, jokes, poems, and songs that were created by foresters and school-age children. Information was delivered late to her office and she contacted us requesting the information. To ensure continuation of this service, eventually the direct mail system will be turned over to the local informational center that FOREST is currently establishing.

2. Results by Objective

Fire Prevention Results as per USAID/Russia’s Strategic Objectives

SO 1.6 Environmental Resources Managed More Efficiently to Support Economic Growth				
<i>IR 4</i>	<i>Previous Total</i>	<i>This Quarter Total</i>	<i>LOP total</i>	<i>Comments</i>
(1) Annual percentage of forest fires caused by human action in five target areas	82.6%	(see comments)		This data (% of human-caused fires) cannot be reported on a quarterly basis, as the data will not be available until the end of the fire season
SO 1.6 Environmental Resources Managed More Efficiently to Support Economic Growth				
<i>IR 5</i>	<i>Previous Total</i>	<i>This Quarter Total</i>	<i>LOP total</i>	<i>Comments</i>
(1) Environmental Education Programs Implemented by NGOs	2	2	2	1) Forester’s Communication Training Program 2) Fire Prevention Curriculum for School-aged Children (10-14 years old)
(2) Number of NGOs adopting citizen advocacy programs	15	15	15	More than 15 NGOS are involved in the forest fire prevention campaign encouraging people not to start fires.

3. Key Issues, Problems and Findings Based on Work to Date

- Out of the targeted campaigns, several are on-going and will be finished next quarter and two will be prolonged through the year to maximize the impact of the messages being disseminated. The two are: in Sakhalin – Junior Forest Rangers, and in Krasnoyarsk - Defacto. Defacto began delivering their fire prevention behavior messages through television, radio, and newspapers, but this effort has been delayed due to the elections in Krasnoyarsk and will resume next spring/summer when fire season heightens.

4. Key Deliverables

- 264 educators trained
- 3000 copies of fire ring poster produced and currently being distributed
- 50 community events in Krasnoyarski Krai, Khabarovski Krai and Sakhalinskaya Oblast held by partners through general awareness campaigns
- 6,000 fact and tip sheets distributed

- 2 billboard stands and 4 banners erected in Sakhalinskaya Oblast
- 2 additional billboard stands and 4 banners erected in Khabarovski Krai
- 4 billboard banners displayed in Krasnoyarski Krai

5. Summary of Fire Prevention Component Tasks of the Last Quarter

Task	Location	Status/Results
i. General Awareness	Continuation of the general awareness communications programs in Khabarovski Krai, Krasnoyarski Krai, and Sakhalinskaya Oblast and new programs initiated in Irkutskaya Oblast and Primorski Krai.	<p>Ongoing – Forest fire prevention public awareness activities, including community events, establishment of public information stands, and delivery of fire prevention behavior messages through television, radio, and newspapers are being carried out by Component 1 partners “Pilgrim” NGO in Sakhalinskaya Oblast, the “Alliance” NGO in Khabarovski Krai, and the “Defacto” NGO in Krasnoyarski Krai.</p> <p>Winners of the first and second round fire prevention journalism contests in the three regions have been announced, and the third contest for best fire prevention video/audio/print materials is underway.</p> <p>2 billboard stands with banners have been erected and placed in Sakhalinskaya Oblast. 2 additional billboard stands with banners erected in Khabarovski Krai. 4 billboard banners have been delivered to MNR in Krasnoyarsk.</p>
ii. Strengthen Foresters' Communications Skills/Community Participation	Continuation of the foresters communications programs in Khabarovski Krai; program initiated in Krasnoyarski Krai, and Sakhalinskaya Oblast	<p>Ongoing – The third round of foresters training in Khabarovsk is planned for the end of October. Training for foresters in Krasnoyarski Krai and Sakhalinskaya Oblast is being planned for the spring.</p> <p>The Viazemski Forestry College officially accepted the Foresters Communication Manual as part of their curriculum.</p>
iii. Strengthening Organizations Involving School Aged Children	Continuation of the school-aged programs in Khabarovski Krai, Krasnoyarski Krai, and Sakhalinskaya Oblast and new programs initiated in Irkutskaya Oblast and Primorski Krai.	<p>Ongoing – 130 educators in Krasnoyarski Krai and 134 educators in Sakhalinskaya Oblast were trained this quarter.</p> <p>The Ministry of Natural Resources has drafted a letter to the Minister of Education requesting that the newly developed forest fire prevention manual be included in the nationwide school curriculum.</p>

iv. Targeted Groups Campaigns	Continuation of the foresters communications programs in Khabarovski Krai; program initiated in Krasnoyarski Krai, and Sakhalinskaya Oblast	<p>Ongoing – In Khabarovski Krai the Russian National Environmental Protection Society concluded their summer campaign targeting berry and non-timber produce harvesters, and NGO Krechet completed their work with hunters.</p> <p>In Krasnoyarski Krai the “Nash Krai” newspaper agency is implementing a target campaign for picnickers located within Krasnoyarsk city which will be completed next quarter.</p> <p>In Sakhalinskaya Oblast the Tymovskoe Junior Forest will begin their campaign targeting small town population picnickers next spring during the start of the fire season.</p>
v. Monitoring & Evaluation	Continuation of M&E in Khabarovski Krai, Krasnoyarski Krai, and Sakhalinskaya Oblast, and M&E initiated in Irkutskaya Oblast and Primorski Krai.	<p>Ongoing – The baseline KAP survey in Sakhalinskaya Oblast was completed. It is currently being translated from Russian to English and a final report is forthcoming.</p> <p>A survey of Khabarovsk foresters who have participated in the Component 1 trainings was developed and disseminated; results will be forthcoming in the next quarter.</p>
vi. Institutionalization of Public Awareness Program for Sustainability	Khabarovski Krai, Krasnoyarski Krai, and Sakhalinskaya Oblast.	Ongoing – Proposals are being sought in Khabarovski Krai through the grants component for the development of a resource center that would take long-term responsibility for fire prevention material dissemination and encouraging local population involvement in the planning and implementation of appropriate fire prevention events within the community.
vii. Production and Distribution of Fact/Tip Sheets	Continuation of dissemination in Khabarovski Krai, Krasnoyarski Krai, Sakhalinskaya Oblast, Irkutskaya Oblast, and Primorski Krai.	Ongoing – This quarter, 3 new fact sheets were written for Krasnoyarski Krai, 3 new fact sheets were written for Sakhalin, and 1 new tip sheet for hunters has been written. All fact/tip sheets are currently with the designer and will be available next quarter.
viii. Support Development of Rest Areas	Khabarovsk, Krasnoyarsk, Sakhalin	<p>Ongoing – 3 rest areas are currently under development in Khabarovski Krai, 1 rest area is currently under development in Sakhalinskaya Oblast, and 1 rest is currently under development in Krasnoyarski Krai. All rest areas are at different levels of development and should be completed within the year.</p> <p>Proposals are being sought from Irkutskaya Oblast and Primorski Krai for the third round of the grants program.</p>
ix. Increasing Participation and Information Exchange by Contact Group	Khabarovski Krai, Krasnoyarski Krai, and Sakhalinskaya Oblast.	<p>Ongoing – As of this quarter there are now 1,014 Contact Group members in our database.</p> <p>The 2nd quarterly newsletter was produced and distributed to the Contact Group members in July.</p>

x. Workplan/Program Development	Khabarovski Krai, Krasnoyarski Krai, Sakhalinskaya Oblast, Irkutskaya Oblast, and Primorski Krai.	On-going assessment; preparation in spring 2003.
xi. Project Monitoring and Reporting	Khabarovski Krai, Krasnoyarski Krai, Sakhalinskaya Oblast, Irkutskaya Oblast, and Primorski Krai.	Ongoing

6. Level of Effort

During the quarter (July 1 – September 30, 2002) approximately 552 days or approximately 25 months (22 day/months) were spent on the Fire Prevention Component. See Appendix B for detailed breakdown of persons, activities, and time.

B. Component 2 – Pest Monitoring

1. Highlighted Activities, Results, and Findings

The Pest Monitoring Component completed its second full season of data collection in all five project regions in addition to Khassiya and Tomsk during the past quarter. Several activities show that the Ministry of Natural Resources of the Russian Federation is taking steps to adopt the FOREST technology.

- *The Ministry of Natural Resources will intensify forest protection in Sakhalin next year.* This decision was the direct result of a week of field work in Sakhalin forests by a team of forest protection experts from Moscow and Krasnoyarsk that were supported by the FOREST Project. The team worked closely with Mr. Sergey Kotelnikov, the Leader of the State Forest Service of the Sakhalin Committee for Natural Resources, who pointed out problems of forest dieback from diseases and insect pests and the desperate need of a special forest protection unit for Sakhalin. Team member Dr. Lubov' Matusevich, the Chief of Division for Forest Protection of the Ministry, stressed that Sakhalinskaya Oblast can be a very promising region for the implementation of the new forest pest monitoring system developed by the FOREST Project.
- *Forest Protection Center to incorporate FOREST's pest monitoring database.* The Russian Forest Protection Center in Moscow will add FOREST Project's pest monitoring database into their existing state database. The FOREST Project data are much more detailed and accurate than existing information and will serve as an example of data organization for other regions. This decision also represents a significant step on the part of the Ministry to adopt this new monitoring technology as part of its forest protection work. The new pheromone trapping system, implemented in seven federal regions of Russia with the support of the FOREST Project, is more effective and less costly when covering large areas, and especially in areas where neither pheromone trapping or sampling of larvae is currently in use. This was the conclusion of a report, "Some Economic Aspects of Monitoring Siberian Moth in Krasnoyarski Krai and Irkutskaya

Oblast of the Russian Federation” authored by Dr. Raphael Vartanov, which was submitted to the FOREST office in Khabarovsk. The report included an economic analysis comparing the pheromone trapping technology used by FOREST and existing technology.

Forest Protection Centers receive highly accurate Siberian Moth data. The local Centers of Forest Protection received much more accurate data on Siberian moth distribution and infestation of their forests than ever before. Under support and consultations provided by the FOREST Project, 100 permanent plots for Siberian moth sampling were set in Primorski Krai, and 50 in Khabarovski Krai, Irkutskaya Oblast and Tomsk Oblast each. The grid of 1500 pheromone traps was set in all the above mentioned regions. As such, it represents the beginning of the functioning of the global monitoring net in the main forest regions of Siberia and the Russian Far East and may well be one of the largest areas being continuously monitored by pheromone traps anywhere.

- *Public awareness of new pheromone trap use.* Full color pocket calendars "Help to save the forest! Don't touch the trap!" with a clear picture of the pheromone trap were published and 7,500 copies distributed among forest protection organizations, schools and villages in areas where traps have been placed in all seven regions of the project. In Krasnoyarski Krai, this campaign was accompanied by lectures from Dr. Nikolay Zubov, a trained FOREST Project volunteer, who was present during this trip through most of the trapped areas. As a direct result, very few (less than 4%) of the traps were destroyed by people in the forest and valuable data is being protected for use in protecting Russia's forests. Last year 15% of the traps were damaged or destroyed by the local population.
- *FOREST Pest Monitoring maps positively evaluated.* An article "An attempt of forest-pathological regioning" by one of the leading experts in forest protection Dr. Yuri Gninenko (Moscow) was published in the all-Russia Journal of Forest Management "Lesnoye Khozyaistvo," 2002, No.4, p.48. The author described the map on "Regions of Outbreaks of Siberian Moth in the Yenisey Siberia", published by the FOREST Project last year and highly evaluated it as the first really successful attempt in Russia of creating specialized forest protection maps.

2. Results by Objective

Pest Monitoring Results as per USAID/Russia's Strategic Objectives

SO 1.6 Environmental Resources Managed More Efficiently to Support Economic Growth				
<i>IR 1</i>	<i>Previous Total</i>	<i>This Quarter Total</i>	<i>LOP total</i>	<i>Comments</i>
(3) Businesses showing improved performance	2	0	2	
<i>IR 4</i>				
(2) Hectares monitored	32,000			
(3) Regions adopting NRM practices	5	2	7	

Number of people trained in quarter in 35

Number of women working in 24

3. Key Issues, Problems, Findings Based on Work to Date

There were no key issues or problems confronting the Pest Monitoring Component in the quarter.

4. Key Deliverables

- 7,500 full color pocket calendars "Help to save the forest! Don't touch the trap!"
- Report: "Some Economic Aspects of Monitoring Siberian Moth in Krasnoyarski Krai and Irkutskaya Oblast of the Russian Federation" by Dr. Raphael Vartanov.

5. Summary of Pest Monitoring Component Tasks of the Last Quarter

Task	Location	Status/Results
i. Planning, Coordination, and Reporting	Krasnoyarsk, Khabarovsk and in U.S.	July, August and September Monthly reports. Memoranda of Understanding were prepared with Moscow State University of Forest and Russian Forest Protection Center in Moscow.
ii. Public Awareness	Institute of Forest and Centers of Forest Protection	7,500 color pocket calendars "Help to save forest! Don't touch trap !" were published and distributed
iii Delineate Regions of Siberian Forests	Work in Krasnoyarsk, Khakassia, Tuva, and Irkutskaya Oblast is continuing and a new site in Tomsk Oblast has been added.	Maps of Yenisey Siberia and Irkutskaya Oblast were produced showing areas of potential risk of defoliation by complexes of forest insect pests.
iv. Identify Habitat Quality	In 3 leskhozoes in Krasnoyarsk Krai	The work of field verification of maps of Siberian moth habitat quality for 2 leskhozoes in Krasnoyarsk Krai was accomplished. Maps have been transferred to leskhozoes for forest protection work organization.
v. Compare Larval Density and Moth Captures by Traps with Different Pheromone Concentrations	Krasnoyarsk and Khabarovski Krai	The work with different pheromone concentrations was completed for the Siberian moth for the first time. The final report will be in October and the results will help to find the optimal (in terms of cost and attractivity) concentration to use in the future.
vi. Siberian Moth Population Monitoring in Different Regions of Siberia	Krasnoyarski Krai, Tomsk, and Irkutskaya Oblasts.	Accurate and numerous data on Siberian moth density were collected. The final report will be due the end of October.
vii. Siberian Moth Population Monitoring in Different Regions of RFE	Sakhalin, Khabarovski and Primorski Krai	Accurate and numerous data on Siberian moth density were collected. The final report will be due the end of October.
vii. Siberian Moth Population Monitoring in Different Regions of RFE	Sakhalin, Khabarovski and Primorski Krai	Accurate and numerous data on Siberian moth density were collected. The final report will be due the end of October.

viii. Pheromone Monitoring Siberian Moth and Gypsy Moth in Area with Continuous Trap Distribution	Krasnoyarsk Krai, Khakassia	The data for the Project database were collected. For the first time in Russia the results will allow monitoring the dynamics of pest density over the vast territories of few thousand sq. kilometers with the help of geo-statistical methods and GIS technology. A report will be in November.
ix. Data Analysis and Decision Support System	Krasnoyarsk, Moscow	Maps of moth counts in traps and maps of potential outbreaks of Siberian moth and gypsy moth will be provided in November for the 2 years of the project.
x. Refine and Maintain Website	Krasnoyarsk	Component 2 Website is more user-friendly and informative.
xi. Interregional Seminar on Forest Pest Monitoring	Krasnoyarsk and other locations	The preparation work for the Component 2 seminar on the methods of pest monitoring is under way. The seminar will take place in Irkutsk on December 10-11 2002.

6. Level of Effort

During the quarter (July 1 – September 30, 2002) approximately 60 days or approximately 3 months (22 day/months) were spent on the Pest Monitoring Component. See Appendix B for detailed breakdown of persons, activities, and time.

C. Component 3 – Non Timber Forest Products and Secondary Wood Processing

1. Highlighted Activities, Results, and Findings

During the first quarter of Year Three, FOREST identified two new associations as partners, sent delegations to a tradeshow in Paris and an association meeting in Alaska, completed the Non-Timber Forest Products Market Study and several companies demonstrated results from previous assistance from FORSET.

Association Support

- *Two Associations selected as project partners.* The Primorski Krai Forestry Industry Workers and Wood Products Exporters' Association, representing 20 wood processing companies who hold leases on 90% of the forestland in Primorski Krai, signed an MOU establishing its partnership with FOREST. The Association, which includes Terneyles, Primorsklesprom, and Dalnerechenskii DOK, aims to promote the efficient development of the forest industry in Primorski through updated technology, investment and export development. It provides annual meetings, lobbying, legal services, and export market information to its members, and is especially active in combating illegal logging. One of its member companies is woman-owned and managed. The Siberian Wood Processors Association, representing six companies in Krasnoyarski Krai, was also selected as a partner with FOREST. This association represents the interests of members in international and domestic markets, to add value to wood products and make more

sustainable and beneficial managerial decisions to maintain environmentally friendly production. The Association's flagship company, TTS Les, met with FOREST staff to discuss technical assistance on biomass as well as secondary wood processing. Assistance will be provided in November-December 2002 through a joint Component 3/Component 4 consultancy.

- *Partnerships are developing between Russian and U.S. secondary wood processing associations.* Based on meetings in August at the National Council of Forestry Association Executives in Alaska, Valery Guryev (Far-Eastern Secondary Wood Processors' Association) and Boris Melnikov (Sakhalin Association of Forest Products Processors) began discussing partnerships with the Southeastern Lumber Manufacturers Association, Maine Forest Products Council, and Southern Forest Products Association. The Maine Forest Products Council's board of directors has approved partnering with the Sakhalin Association, and its Executive Director will travel to Sakhalin in October as a FOREST volunteer to provide training in association management, membership-building, and advocacy, and to formalize the partnership. FOREST is exploring grant funding for these partnerships through FRAEC and Eurasia Foundation.
- *NTFP Market Survey for Khabarovsk and Primorski Krai and Irkutskaya Oblast completed.* This research, conducted by the Herbs Research Foundation, provided the NTFP associations with the latest reports on international certification and standards by the botanicals industry, and suggested that the greatest challenges to the industry will be in developing market linkages and meeting international regulations.
- *Four associations received grant-writing training.* The "Region 7" Association, Far Eastern Secondary Wood Processors Association, Khabarovsk NTFP Association, and Krasnoyarsk NTFP Partnership worked with a volunteer on developing competitive proposals to raise funds for their associations. The most immediate result was that the Khabarovsk NTFP Association's proposal for training on NTFP organic certification standards passed the initial qualifying round for the ISC Replication of Lessons Learned grant program, clearing the association to submit a full proposal. Three other proposals to different funders were prepared by the participants.
- *Educational center for cutting instrument specialists established.* The Sakhalin Association, awarded a \$30,000 grant during Year 2 to create an Educational Center for Cutting Instrument Specialists, established the center at the facility of one of its members, the Dary Morya Ltd. - Gift of the Sea Sawmill. The center, specializing in saw-filing training and other areas of concern to Sakhalin association members, is expected to result in significant improvements in lumber quality and enhance the association members' ability to meet export standards.

Association Member Support

- *Vakhrushevsky DOZ, based in Sakhalinskaya Oblast, opened a branch office in Severobaikalsk (Irkutskaya oblast) to harvest, process and export scotch pine.* FOREST will continue to work the company to ship a sample of his product later this year to a potential U.S. buyer (contact provided by FOREST) to gauge their interest in the product. Igor Artukhovskiy, director of the company, received technical assistance first from consultant Gerry Van Leeuwen on technical direction and then from two FOREST volunteers who helped him conduct a feasibility assessment of the new site and prepare a business plan to invest in kiln and other equipment.

- *Voyage, a secondary wood processing company, received a loan for \$495,000 at 6.75%. Voyage has remodeled the production facility and purchased equipment including a sawmill and two dry kilns. Assuming no delays with loan administration, Voyage expects to produce edge-glued finger-jointed wood panels by the spring of 2003. FOREST volunteers assisted the company to develop a business plan in February of 2002. FOREST volunteers assisted Voyage in business plan development and market study work.*
- *Forest Products, a member of Khabarovsk NTFP Association, received a loan of \$13,000 from the local fund for Entrepreneur. Financing will be used to support for a packaging line and to install equipment to produce three new products: wild berry concentrate, jelly dessert and wild berry jam. The assistance of five Russian volunteers was crucial in the process of obtaining the loan.*
- *Matur, a NTFP processing company and member of Krasnoyarsk NTFP Partnership, acquired two compressors and a fast freezer and was able to store 7.5 tons of lingberry (as compared to 1.5 tons the previous year). In total, 13 tons of lingberry will be harvested and stored through fast freezing during this harvest period. FOREST provided a Russian volunteer who recommended this equipment to the company.*
- *Arcada, a secondary wood processing company in Krasnoyarsk, increased sales by 45% since June. Arcada adopted recommendations made by a FOREST volunteer resulting in improved quality of their windows and specifically through improving seal construction, frame cutting procedures, and wood gluing systems. In addition, Arcada improved marketing through the development of a website, marketing brochures, and attending regional trade shows. Arcada was recognized as one of the highest quality producers of secondary wood processed goods at the recent "Kransnoyarsk Regional Products Show".*

2. Results by Objective

NTFP/SWP Results as per USAID/Russia's Strategic Objectives

SO 1.6 Environmental Resources Managed More Efficiently to Support Economic Growth				
<i>IR 1</i>	<i>Previous Total</i>	<i>This Quarter Total</i>	<i>LOP total</i>	<i>Comments</i>
(1) Business associations strengthened	5	2	7	Two SWP associations added as FOREST Year 3 partners.
(2) Businesses participating in associations	172	26	198	
(3) Businesses showing improved performance	13	4	17	Voyage, Forest Products, Matur and Arcada
SO 2.1 More Open, Participatory Society				
<i>IR 2</i>	<i>Previous Total</i>	<i>This Quarter Total</i>	<i>LOP total</i>	<i>Comments</i>
(2) Advocacy campaign conducted	1	0	1	

3. Key Issues, Problems and Findings Based on Work to Date

- Sergei Golyashov resigned as NTFP/SWP Component Leader and a suitable replacement was found.

- Logistics problems arising during the NTFP delegation's visit to Paris suggest that trade show delegations either need additional training should be accompanied by a FOREST Project staff member to manage the group, take responsibility for logistical decisions, and problem solve accordingly.
- Discussions with VNIILM, the Moscow-based institute selected to complete the Krasnoyarsk/Irkutsk NTFP market study, are being monitored closely regarding portions of the study that is incomplete or needs improvement.

4. Key Deliverables

- Herbs Research Foundation. *Non-Timber Forest Products and Markets for Khabarovski Krai, Primorski Krai and Irkutskaya Oblast: A Rapid Assessment.*
- MOU with Primorski Krai Forestry Industry Workers and Wood Products Exporters' Association (PALEX, Vladivostok). MOU with Siberian Association of Wood Processors (SOD, Krasnoyarsk) to be signed in October.
- R.E. Taylor & Associates. *Turservice Company Report, Nord Union Sawmill Report, and Far East Russia Field Research Report.*
- NTFP Working Group annual meeting minutes.
- Paris trade show participants' reports.
- Tacoma Session on Component 3/Component 4 Technical Assistance: *Workshop Notes and Recommendations.*
- *Company Criteria* for partnering with FOREST, updated *Company Questionnaire*, *Request for FOREST Project Assistance* form, and flyer for distribution: *Assistance for Forest Products Companies* (English and Russian versions available).
- Talking Points for the Seventh RFE – U.S. West Coast Ad Hoc Working Group Meeting (Forestry Industry Sector).

5. Summary of NTFP/SWP Component Tasks of the Last Quarter

Task	Location	Status/Results
1. Select Y3 Association(s)	Krasnoyarsk, Vladivostok	2 associations selected; one MOU signed, one to be signed in October.
2. Databases, Directories, Websites	Khabarovsk	Info gaps were identified, database layout and updated Questionnaire developed. Data acquisition and database building are ongoing.
3. Support to Associations	All RFE regions	Web-sites continuously served and enhanced. Various trainings provided, including the fundraising and image building. Partnerships with U.S. associations being developed.
4. Support to Association Members	All RFE regions	5 companies received volunteers/consultants support. NTFP companies attended Paris trade shows and SWP companies attended Association meeting in Ketchikan, Alaska.
5. International Trade Shows	Paris Ketchikan	4 NTFP association representatives attended the Paris trade show (Health Ingredients International) and met a great interest from European companies. A number of export contracts for NTFP products are expected. 2 SWP associations attended the Forest Industry Advisory Council/ National Council of Forestry Association Executives meeting and made links with partners for U.S.-Russia association twinning.

Task	Location	Status/Results
6. Women- & Minority-Owned Business	Khabarovsk, Sakhalin	Ulchi (Khabarovsk) and Tyi (Sakhalin) tribes identified as minority-owned business to support in cooperation with CIDA
7. Market Studies	Russia, international	NTFP and SWP international market studies concluded and are being used to set strategy for upcoming export development activities in each sector.
8. Annual Meetings		No activity this quarter.
9. Strategic/Annual Plans		No activity this quarter.
10. Sector-Based Workshops		No activity this quarter. Planned for Q4 2002 or Q1 2003.
11. SWP and NTFP Working Groups	Khabarovsk	NTFP Working Group annual meeting held in August.

6. Level of Effort

During the quarter (July 1 – September 30, 2002) approximately 442 days or approximately 20 months (22 day/months) were spent on the NTFP/SWP Component. See Appendix B for detailed breakdown of persons, activities, and time.

D. Component 4 – Biomass Energy

1. Highlighted Activities, Results, and Findings

FOREST continues to increase interest in biomass energy, especially for secondary wood processing companies. Because of sound technical advice, FOREST has earned the respect of major companies who seek technical advice. Interestingly, companies are less interested in FOREST's assistance to access capital, and feel that they can do that on their own. During the quarter, two feasibility studies were conducted,

- *Igirma-Tariku signs contracts to purchase boilers.* Igirma-Tariku (Irkutskaya Oblast) plans to purchase two 40-50 tons per hour of steam boilers fueled by wood-waste from Biysk Boiler Plant. FOREST consultants advised the director to adjust the design to ensure efficiency. The company is considering construction of a 4-5 megawatt plant based on the boilers installation.
- *Two Feasible Studies concluded.* The company Eniseyles (Krasnoyarski Krai) received two completed feasibility studies from design companies Energomash-Vostochnaya Sibir and Sibgiprobum for the construction of 2 megawatt biomass energy plants. One study was completed for a plant to be located at Ordjonikidzevskiy LPH and the second study for 0.6 megawatt saw-mill facility in Krasnoyarsk.
- *The company, Terneyles received a completed feasibility study for the construction of a 6 megawatt cogeneration plant from the design company Turboblock-Service.* Terneyles' study assesses the feasibility of constructing a biomass energy facility, which would benefit not only the company's production facilities but also approximately 6,500 people living in Plastun settlement.
- *Preliminary power plant design layout completed.* The design firm Federal Scientific Center for Forest Industry Complex was contracted by FOREST to develop an engineering design and plant layout for Parusnovskiy DOK (Sakhalin). The scheme includes a 200

kW mini-cogeneration biomass plant, calculated material, energy balances, key technical-economic feasibility study parameters and payback scenarios. This work will allow Parusnovsky to evaluate the feasibility of producing heat utilizing biomass, and creates a foundation upon which a full-scale feasibility study for constructing a biomass energy plant can be developed.

- *Governor pledges to fund biomass energy plant construction.* The governor of Sakhalin Oblast Administration, Igor Farhutdinov, pledged to fund the construction of a biomass energy plant at Parusnovskiy DOK as the first biomass energy project in Sakhalin. The Governor encouraged Parusnovskiy to apply for government subsidized funding at interest rates below commercial rates upon completion of their design.. The oblast officials applauded the joint efforts Parusnovskiy management and FOREST Project in introducing biomass energy technology to the region.
- *Work group expands.* Eight representatives from the business and administrative sectors from all five FOREST target regions accepted invitations to become members of the Biomass Energy Working Group.

2. Results by Objective

Biomass Energy Results as per USAID/Russia's Strategic Objectives

SO 1.6 Environmental Resource Managed More Efficiently to Support Economic Growth				
<i>IR 2</i>	<i>Previous Total</i>	<i>This Quarter Total</i>	<i>LOP Total</i>	<i>Comments</i>
(2) Businesses showing improved environmental practices	None	2	2	3 Feasibility Reports prepared (for partner-companies Terneyles, Eniseyles) but not implemented yet

Additional Indicators Tracked				
<i>Description</i>	<i>Previous Total</i>	<i>This Quarter Total</i>	<i>LOP Total</i>	<i>Comments</i>
Number of people who received training in biomass energy use (male/female/total)	38/5/43	5/1/6	43/6/49	Including representatives of companies, design firms, financial institutions visiting Biomass Conferences organized by FOREST and by other institutions

3. Key Issues, Problems and Findings Based on Work to Date

- In order to focus on putting the biomass energy workshop and working group meeting in Krasnoyarsk in early October together, and to ensure that first tier companies Terneyles and Eniseyles complete their investment studies according to their deadline, the study tour to bring representatives from companies, engineering organizations and universities from Russia to the US to visit biomass energy facilities has been postponed.
- Although currently the Biomass Energy Component has no project partners in Khabarovsk krai, the component team continues to work with the Krai Ministry of Forest Industry to identify potential partners wishing to construct biomass energy projects.

4. Key Deliverables

- Feasibility studies to construct a 2 megawatt biomass energy facility at Ordjonikidzevskiy LPH – for the timber company Eniseyles.
- Feasibility study to construct a 0.6 megawatt biomass energy facility at saw-mill operations in Krasnoyarsk for the timber company Eniseyles.
- Feasibility study to construct a 6 megawatt cogeneration plant in Plastun settlement of Primorski Krai for the timber company Terneyles.
- Technical recommendations on options of fuel handling and fuel supply systems for Terneyles' cogeneration plant and a database on U.S.-based biomass energy equipment producers.
- Recommendations provided to "Igirma-Tariku" on improvement of KE 10/14 boiler operation and selection of new equipment for the boiler house.

5. Summary of Biomass Energy Component Tasks of the Last Quarter

Task	Location	Status/Results
Form Component 4 Biomass Energy Working Group	Khabarovsk, Irkutsk, U.S.	Completed
Update the Component's Internet page with information on past and upcoming conferences and events	Russia, U.S.	In progress
Form the pool of pre-selected companies that the Component will potentially support in the third grant cycle; render assistance to companies as needed to develop their grant proposals	Khabarovsk, Irkutsk, U.S.	Completed
Make site visits to second-tier companies, Parusnovsky and Yartsevo, who had been awarded grants in the second Russia FOREST Project grant cycle.	Russia	Completed
Make site visit to JSC "Primas," Angarsk, Irkutskaya Oblast	Russia	Completed
Continue outreach to attract additional companies interested in biomass energy. Submit RFA announcement for the third grant cycle of the Russia FOREST Project.	Russia	In progress
Publish Biomass Energy Market Assessment workshop proceedings	Khabarovsk	In progress
Complete Biomass Energy Market Assessment report	US	In progress
Organize Biomass Energy Workshop in Krasnoyarsk to be held on Oct. 2, 2002.	Khabarovsk, Krasnoyarsk, Irkutsk, U.S.	Completed
Organize first Biomass Energy Working Group meeting to be held on Oct. 3, 2002.	Khabarovsk, Krasnoyarsk, Irkutsk, U.S.	Completed

6. Level of Effort

During the quarter (July-September 2002), approximately 188 days or approximately 9 months were spent on the Biomass Energy Component. See Appendix B for detailed breakdown of persons, activities and time.

IV. Cross-Cutting Components

A. Forest Policy and Legal Reform

Policy-related activities will be reported under the four primary components.

B. Applied Forestry Research

Research and carbon monitoring-related activities will be reported under the four primary components.

C. Grants Program

1. Highlighted Activities, Results, and Findings

Third grant cycle was announced September 2nd, 2002. Approved grant topics and RFA were published through mass media and Internet resources as well as prequalification questionnaires. Thirty-six pre-qualification applications were received and 30 were invited to complete full grant application. The grants component dispersed the first installments for the six grants selected at the end of Year Two.

Summary of FORSET Grants:

Grantee	Activity	Component	Grant Cycle	Location
Boomerang	Rest Area Construction	Fire Prevention	2	Yuzhno-Sakhalinsk
Model Forest 'Gassinski'	Rest Area Construction	Fire Prevention	2	Khabarovsk
Center on Forest Protection of Primorski Krai		Pest Monitoring	2	Vladivostok
Sakhalin Forest Product Processors Association		NTPP-SWP Processing	2	Yuzho-Sakhalinsk
Parusnovsky Woodworking Enterprise	Conduct Feasibility Study	Biomass Energy	2	Parusnoye village, Sakhalin Oblast,
Yartsevkiy Lespromkhoz"				Zotino village Krasnoyarsk Krai

Topics for Round Three Grant Cycle approved by the AC Members and the targeted areas include:

- Forest Recreation Areas Development, Irkutskaya Oblast and Primorski Krai
- Resource Centers Development for Storing and Promotion of Fire Prevention Materials, Khabarovsk Krai
- Handbook Development on Methods of Forest Pests and Diseases Monitoring, Russian Federation).
- Activities to Increase Value-Added Processing of Forest Products, Forest Project's Regions
- Feasibility Study for Construction of Biomass Energy Facilities, FOREST Project Regions

2. Results By Objective

The Grants Program pursues the goals and objectives of the four primary components. The results produced by grant-funded activities are reported on under those four primary components.

3. Key Issues, Problems and Findings Based on Work to Date

- Component managers took part in the recreation zone presentation, which is created by MANT DV. This camping place was showed to Khabarovsk Krai tourist department officials and representatives of tourist companies from Japan. As a result of this event, the site was included to the tourist guide book as recommended place for camping.
- The Grants team is reviewing current grant preparation and administration procedures, and will be updating existing grants manuals to reflect lessons learned to date.

4. Key Deliverables – N/A

5. Summary of Grants Component Tasks of the Last Quarter

Task	Location	Status/Results
1. Administer Grant Program. Sub-task: Develop Request for Application	Khabarovsk, Yuzho-Sakhalinsk	No activities this quarter.
2. Administer Grant Program. Sub-task: Draft Approve and Publish Grant RFA	Khabarovsk	RFAs published.
3. Administer Grant Program. Sub-task: Management of Prequalification of Grant Applicants	Khabarovsk	Prequalification RFA distributed, applications received and reviewed.
4. Administer Grant Program. Sub-task: Disbursement	Khabarovsk	Disbursed Grant Cycle 2 advances
5. Administer Grant Program. Sub-task: Reporting and Monitoring	Khabarovsk, Vladivostok, Krasnoyarsk	1. Grants of Cycle 1 monitored.

6. Level of Effort

During the quarter (July-September 2002), approximately 167 days or approximately 8 months (22 days/month) were spent on the Grant Program Component. See Appendix B for detailed breakdown of persons, activities and time.

D. Volunteer Program

1. Highlighted Activities, Results, and Findings

A total of six national and five US volunteers completed seven assignments during this quarter.

Subject	Assignments	Volunteers	Component
Fundraising, grant proposal writing	2	2	Fire Prevention, NTFP/SWP
Developing new technology	2	6	NTFP/SWP

Recreation zone landscape design	1	1	Fire Prevention
Developing marketing materials	1	1	NTFP/SWP
Enterprise feasibility study	1	1	NTFP/SWP

2. Results By Objective

The Volunteer Program pursues the goals and objectives of the four primary components. The results produced by volunteer supported activities are reported on under those four primary components.

3. Key Issues, Problems and Findings Based on Work to Date - None

4. Key Deliverables

- Two trainings on fundraising and grant proposal writing were conducted for FOREST Association –Partners. Four grant proposals were prepared. The initial concept of one proposal to ROLL/ISC was approved.
- Technology for a wild berry concentrate and two recipes for jelly dessert and wild berry jam developed.
- Recommendations on the equipment to make a complete line on fast freezing developed. 7.5 tons of lingberry was processed through fast freezing.
- A landscape design for a recreation park developed.
- A feasibility study for producing Scotch pine lumber was prepared.

5. Summary of Volunteer Component Tasks of the Last Quarter – N/A

6. Level of Effort

During the quarter (July-September 2002), approximately 99 days or approximately 4 months (22 days/month) were spent on the Volunteer Component. See Appendix B for detailed breakdown of persons, activities and time.